CLAIMS

I Claim:

- 1. A frame joiner press system, comprising:
 - a base;
 - a plurality of support shafts extending upwardly from said base;
 - a support platform having a platform slot, wherein said support platform is slidably positioned upon said support shafts, and wherein said support platform is capable of receiving a first member and a second member to be joined together with V-nails;
 - at least one retaining structure connected to said base below said platform slot for retaining one or more V-nails; and
- a leverage structure for selectively applying a downward force upon a first member and a second member.
- The frame joiner press system of Claim 1, wherein said retaining structure is comprised of a plurality of retaining pins depressibly positioned within a support housing for receiving a V-nail.
 - 3. The frame joiner press system of Claim 2, wherein said retaining pins are springably positioned within said support housing.

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4. The frame joiner press system of Claim 3, wherein said plurality of retaining pins are comprised of three retaining pins forming a straight pattern.

5. The frame joiner press system of Claim 1, including a plurality of springs positioned between said base and said support platform.

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6. The frame joiner press system of Claim 5, wherein said springs are each positioned about a respective support shaft.

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7. The frame joiner press system of Claim 1, including a plurality of guide tubes attached to said support platform and slidably positioned about said support shafts.

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8. The frame joiner press system of Claim 1, including a pair of guide members forming a V-shaped structure for positioning a first member and a second member adjacent thereto.

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9. The frame joiner press system of Claim 8, including a locking member movably positioned upon said support platform for selectively locking a first member and a second member between said locking member and said guide members.

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10. The frame joiner press system of Claim 9, wherein said locking member has an engaging edge.

11. The frame joiner press system of Claim 10, wherein said engaging edge has a first angled portion, a front straight portion and a second angled portion opposite of said first angled portion.

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12. The frame joiner press system of Claim 1, wherein said at least one retaining structure is comprised of at least two retaining structures for supporting two or more V-nails.

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- 13. The frame joiner press system of Claim 1, wherein said leverage structure is comprised of an upper member attached to an upper portion of said support shafts, a main tube within said upper member, a drive shaft slidably positioned within said main tube, a lever arm pivotally attached to said main tube and mechanically connected to said drive shaft, and an engaging member attached to a lower end of said drive shaft for engaging a first member and a second member.
- 14. The frame joiner press system of Claim 13, wherein said main tube is vertically adjustable within said upper member.
 - 15. The frame joiner press system of Claim 13, wherein said main tube is horizontally adjustable within said upper member.

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16. The frame joiner press system of Claim 13, including a resilient lower portion attached to a bottom surface of said engaging member.

17. A V-nail retainer system for a frame joiner press for retaining one or more V-nails, comprising:

a housing having an upper surface; and

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- a plurality of retaining pins depressibly positioned within said housing for receiving at least one V-nail.
- 18. The frame joiner press system of Claim 17, wherein said retaining pins are springably positioned within said support housing.
 - 19. The frame joiner press system of Claim 18, wherein said plurality of retaining pins are comprised of three retaining pins forming a straight pattern.
 - 20. The frame joiner press system of Claim 17, wherein said plurality of retaining pins are comprised of three retaining pins forming a straight pattern.